

Limiting Reagent Web Based Learning Pre AP

Objective

What new information you should know over the next two days:

Definition

Limiting reagent

Non-limiting reagent

How to find limiting reagent

How to calculate amount (moles or grams) of remaining non-limiting reagent

Now that you have mastered simple stoichiometry problems, it is time to explore more realistic situations; limiting reagent.

You will need to use the internet to finish learning how to complete limiting reagent/ reactant problems and then practice with sets of word problems.

The class website power point page has a set of slides in the stoichiometry ppt. that explain limiting reagents, as does your text. However, the vast number of online tutorials available to you online will be most helpful.

1. Read through the class power point slides covering limiting reagents and then complete the following activities (2017, slides ~49-62).

~~Open the pdf. file “Limiting Reagent Web Simulation Activity 1” in the Lab section of the class website.~~ At the following URL <http://phet.colorado.edu/en/simulation/reactants-products-and-leftovers#teaching-ideas> click “Run Now!”

2. On your own find at least one online tutorial that explains limiting reagents.

3. After you have looked over the class power point slides and read through at least 1 additional tutorial you found *on your own* go to the following web sites and complete the simulation.

If you have headphones you may watch and listen to the following:

<http://www.mhhe.com/physsci/chemistry/essentialchemistry/flash/limitr15.swf>

http://group.chem.iastate.edu/Greenbowe/sections/projectfolder/flashfiles/stoichiometry/stoic_select_both.html